## (19) World Intellectual Property Organization

International Bureau



# 

(43) International Publication Date 9 June 2005 (09.06.2005)

PCT

#### (10) International Publication Number WO 2005/051681 A1

(51) International Patent Classification7: 5/02, 27/06

B60B 27/02,

(21) International Application Number:

PCT/NL2004/000737

(22) International Filing Date: 19 October 2004 (19.10.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

1024864

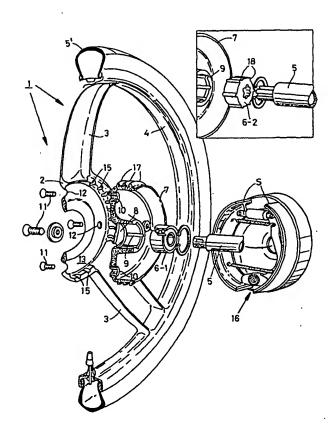
25 November 2003 (25.11.2003)

- (71) Applicant (for all designated States except US): GIANT MANUFACTURING CO. LTD [CN/CN]; Shun-Farn Rd. 19, Tachia Chen, Long Chuan Li, Taichung Hsien (TW).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): VRIELINK, Johan [NL/NL]; De Morinel 55, NL-8251 HT Dronten (NL).

- (74) Agent: OCTROOIBUREAU KLAVERS B.V.; Markerkant 1201.20, NL-1314 AJ Almere (NL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[Continued on next page]

(54) Title: A WHEEL PROVIDED WITH A DRIVE-DEPENDENT, EXCHANGEABLE COUPLING ELEMENT



(57) Abstract: There is disclosed a wheel (1) that comprises a hollow central body (2), in which a coupling element (6) to be coupled to a wheel shaft (5) and to the central body (2) is present. The coupling element (6) is a coupling element that is exchangeable in dependence on the fact whether the wheel shaft (5) is a driven shaft or not. In the case of a wheel driven by the wheel shaft (5), the wheel (1) comprises a insert (6-2) as the coupling element. In the case of a wheel (1) not driven via the wheel shaft (5), comprises a shaft bearing (6-1) as the coupling element. One and the same wheel can be used in a vehicle as a driven wheel but also as a non-driven wheel, which can be realised by exchanging the coupling element (6). Furthermore the wheel can be used as a front wheel, but also as a rear wheel.

## WO 2005/051681 A1



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

### Published:

- with international search report